

# Demographic Changes in Texas and Healthcare Work Force in Texas



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Prepared for  
Senate Committee on Health and Human Services  
February 23, 2010

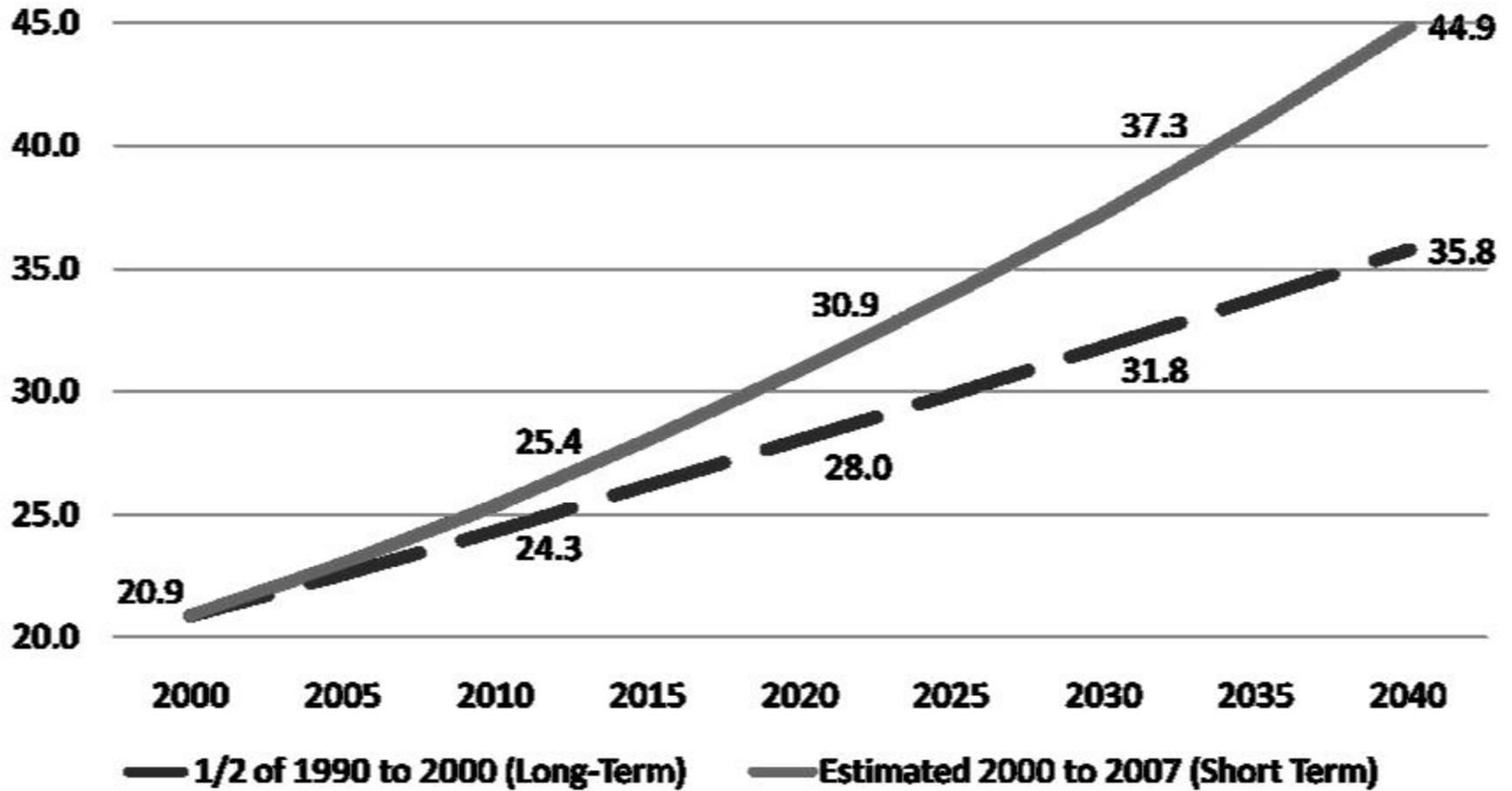
# Recent Population Growth

- **2000 Census: 20,851,820**
- **2009 Estimate: 24,782,302**
- **Growth: 3,930,482**
  
- **1.9 % growth per year**

# Sources of population growth 2008 to 2009

- + Births: +410,000
- -Deaths: -164,000
  
- +Migration from other countries: +88,000
- +Migration from other states: +143,000
  
- Total: ~477,000

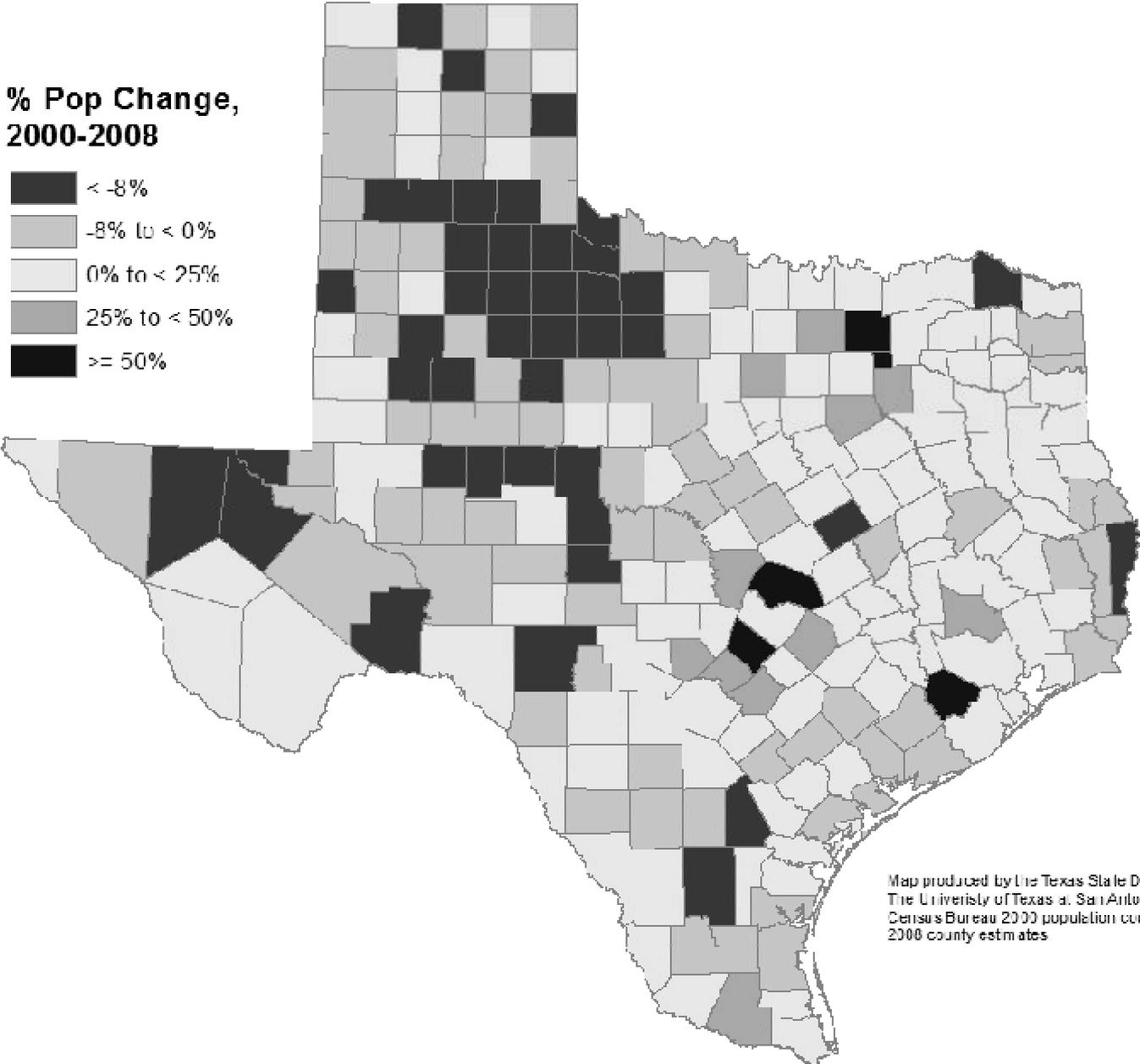
# Projected Population of Texas to 2040 (Millions)



# Percent Change in Total Population in Texas Counties, 2000-2008

## % Pop Change, 2000-2008

-  < -8%
-  -8% to < 0%
-  0% to < 25%
-  25% to < 50%
-  >= 50%



Map produced by the Texas State Data Center, The University of Texas at San Antonio using Census Bureau 2000 population counts and 2008 county estimates

# Population Change by Area, 2000-2008

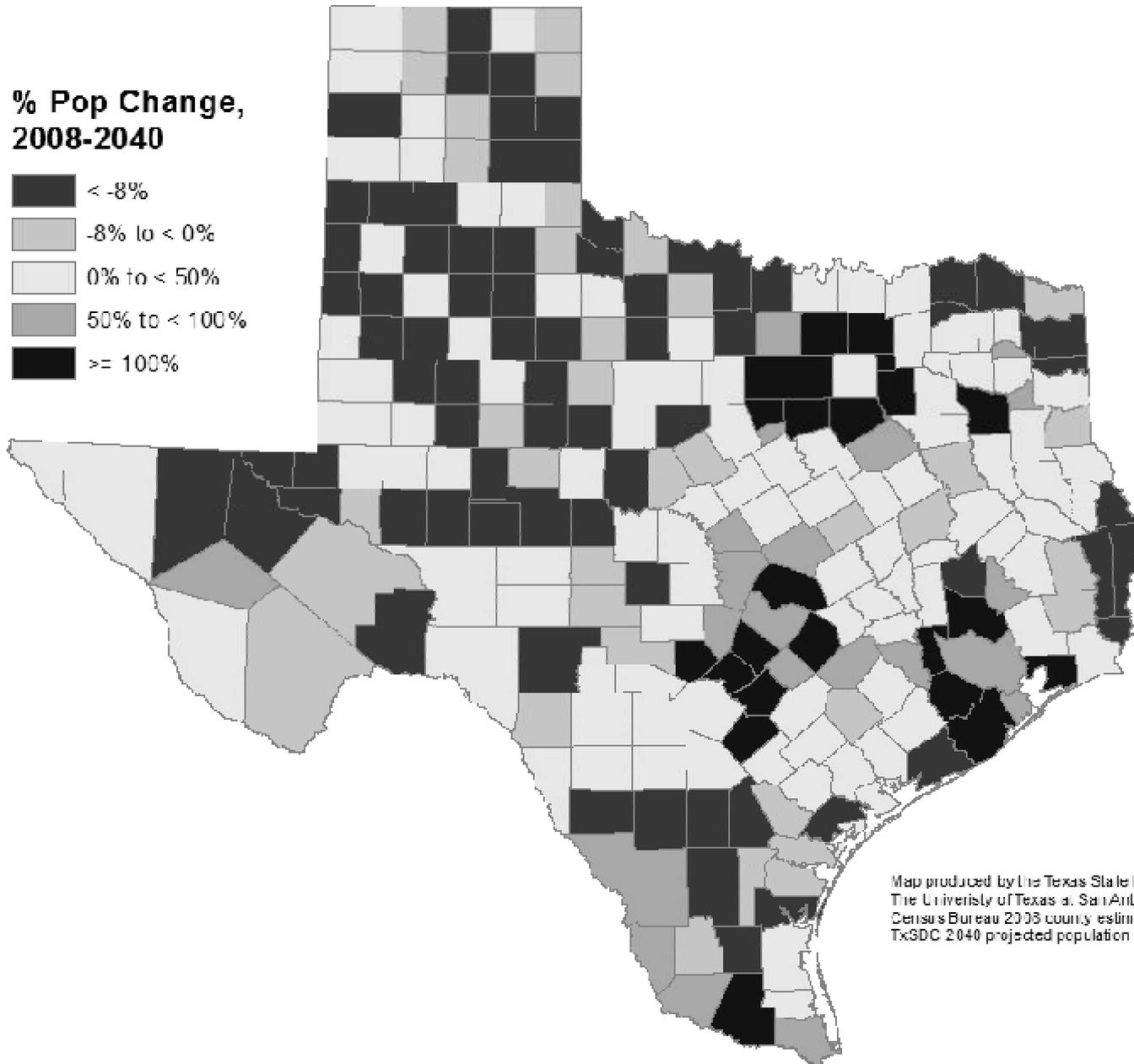
Area	Population			Percent	Migration	
	2000	2008	Change	Increase	Foreign	Domestic
Big 5 Counties	9,270,907	10,768,709	1,497,802	16	580,088	-129,327
All Others in 4 Big Metros	3,567,510	4,943,487	1,375,977	39	93,530	953,905
Border Metros	1,777,429	2,098,343	320,914	18	93,173	-51,103
All Other Metros	3,328,702	3,533,922	205,220	6	38,559	-16,024
All Non-Metro	2,907,272	2,982,513	75,241	3	46,559	-45,666
<b>Total</b>	<b>20,851,820</b>	<b>24,326,974</b>	<b>3,475,154</b>	<b>17</b>	<b>851,909</b>	<b>711,785</b>

Big 5 Counties: Harris, Dallas, Bexar, Tarrant, Travis

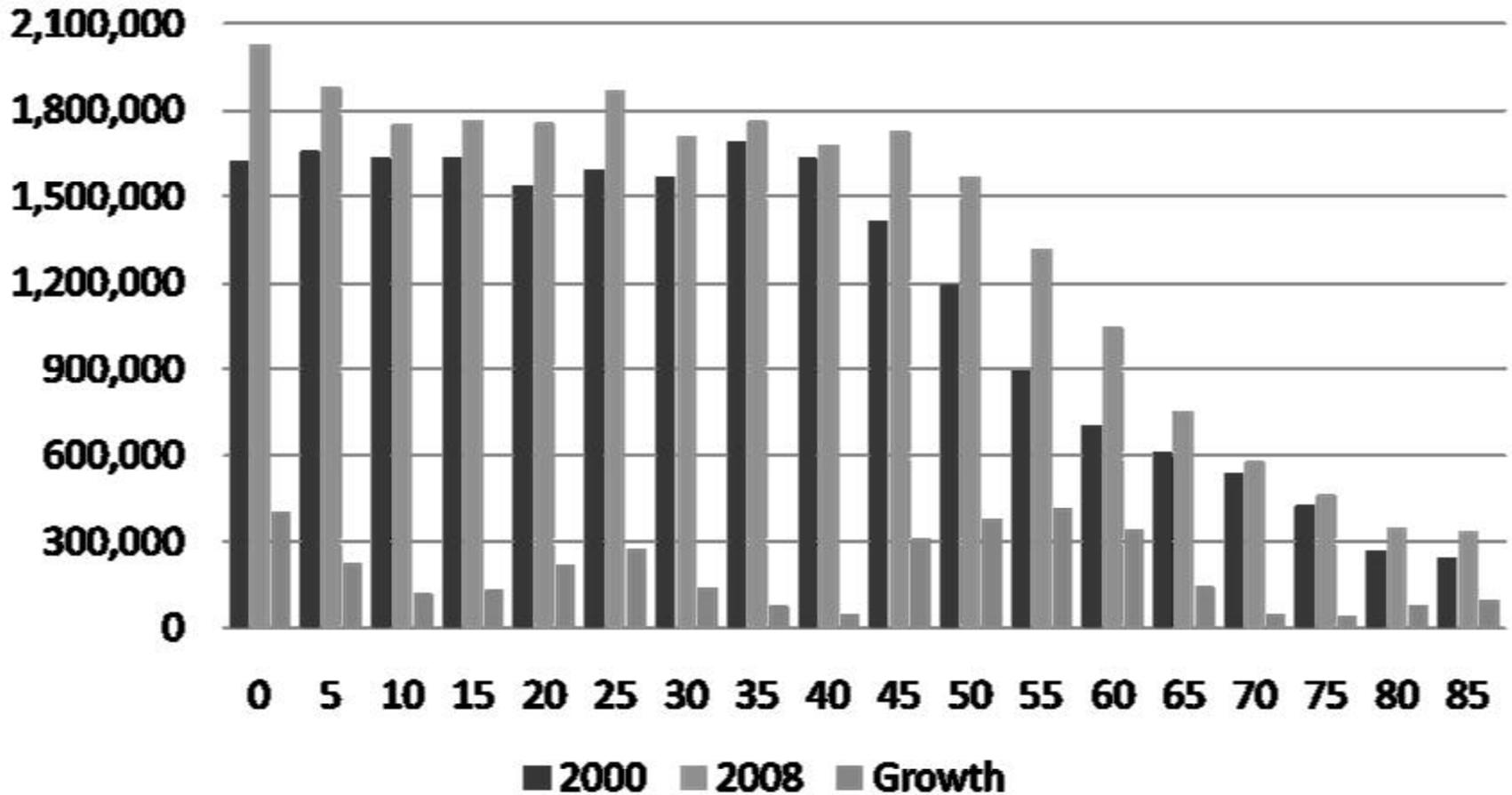
Biggest Metros: Dallas-Fort Worth, Houston, San Antonio, Austin

Sources: 2000 Census, Census 2008 Vintage Estimates

# Projected Percent Change in Total Population in Texas Counties, 2008-2040



# Population Growth by Age, 2000 to 2008



Sources: 2000 Census, Census 2008 Vintage Estimates

# Projected Population by Age (Millions), 2000 -2040

<b>Long-term Growth Migration Scenario</b>				
Year	All Ages	Age 0 to 17	Age 18 to 64	Age 65 +
2000	20.9	5.9	12.9	2.1
2010	24.3	6.5	15.3	2.5
2020	28.0	7.0	17.2	3.7
2030	31.8	7.4	19.2	5.3
2040	35.8	7.9	21.4	6.4

<b>Short-term Growth Migration Scenario</b>				
Year	All Ages	Age 0 to 17	Age 18 to 64	Age 65 +
2000	20.9	5.9	12.9	2.1
2010	25.4	6.6	16.3	2.5
2020	30.9	7.5	19.6	3.7
2030	37.3	8.1	23.6	5.5
2040	44.9	9.0	28.3	7.5

Source: Texas State Data Center Projections

Long-term: ½ of 1990 to 2000; Short-term: Estimated 2000 to 2007

# Growth of Texas Race/Ethnic Groups 2000-2008

Race/ Ethnic Group	2000	2008	Growth	Percent Increase	Percent of Growth
Black	2,349,641	2,748,323	398,682	17.0	11.5
Anglo	10,927,538	11,525,623	598,085	5.5	17.2
Latino	6,670,122	8,870,475	2,200,353	33.0	63.3
Asian	549,054	810,967	261,913	47.7	7.5
Other/Two +	355,465	371,586	16,121	4.5	0.5
Total	20,853,820	24,328,982	3,475,154	16.7	100.0

# Projected Population (Millions) by Race/Ethnicity 2000-2010

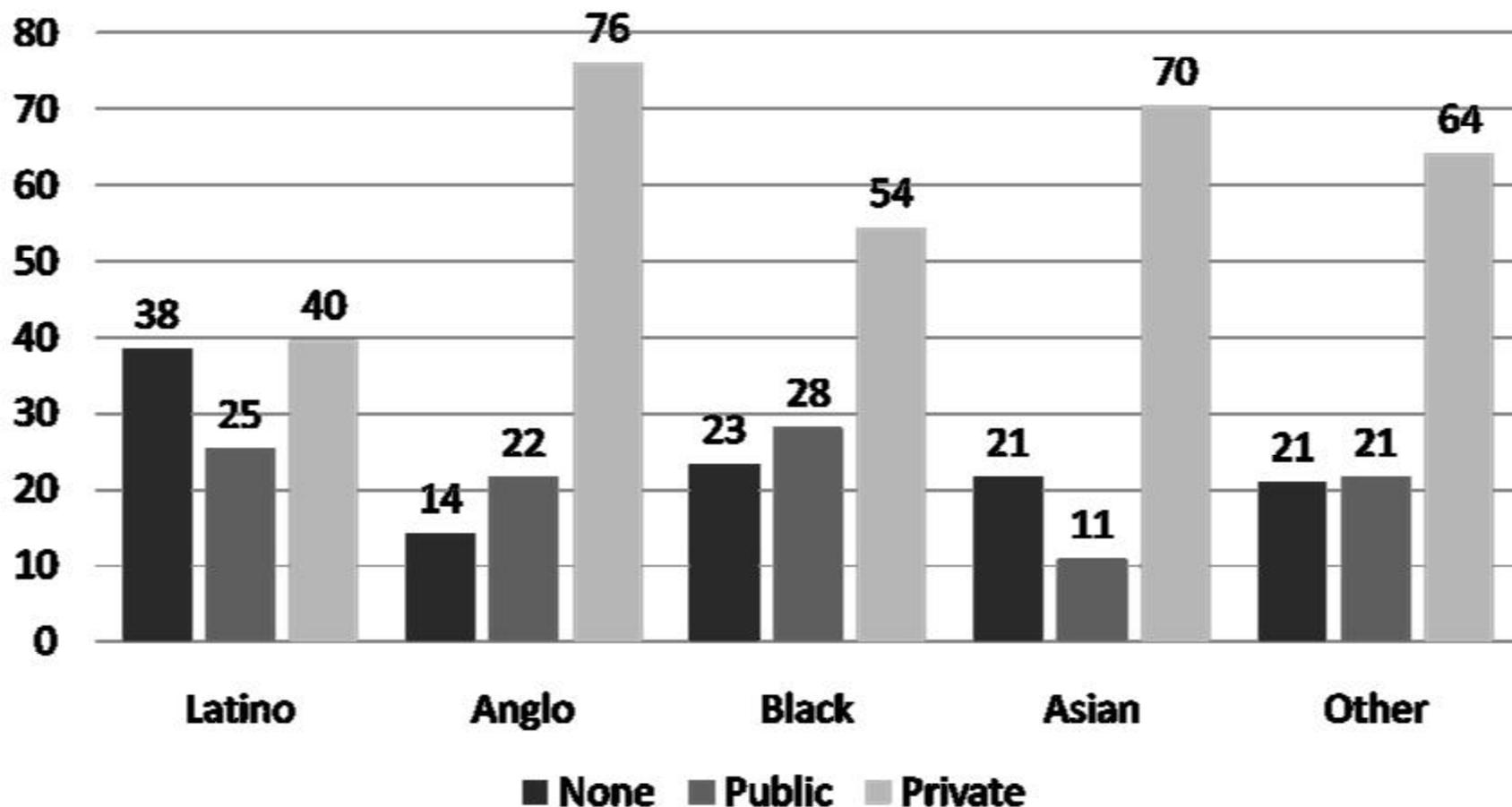
Long-term Growth Migration Scenario					
Year	Total	Anglo	Black	Latino	Asian and other
2000	20.9	11.1	2.4	6.7	0.7
2010	24.3	11.5	2.8	9.1	1.0
2020	28.0	11.8	3.1	11.9	1.3
2030	31.8	11.8	3.3	15.1	1.6
2040	35.8	11.5	3.4	18.8	2.0

Short-term Growth Migration Scenario					
Year	Total	Anglo	Black	Latino	Asian and Other
2000	20.9	11.1	2.4	6.7	0.7
2010	25.4	11.4	2.9	9.8	1.2
2020	30.9	11.6	3.4	13.9	1.9
2030	37.3	11.5	3.9	19.0	2.9
2040	44.9	11.2	4.3	25.1	4.2

Source: Texas State Data Center Projections

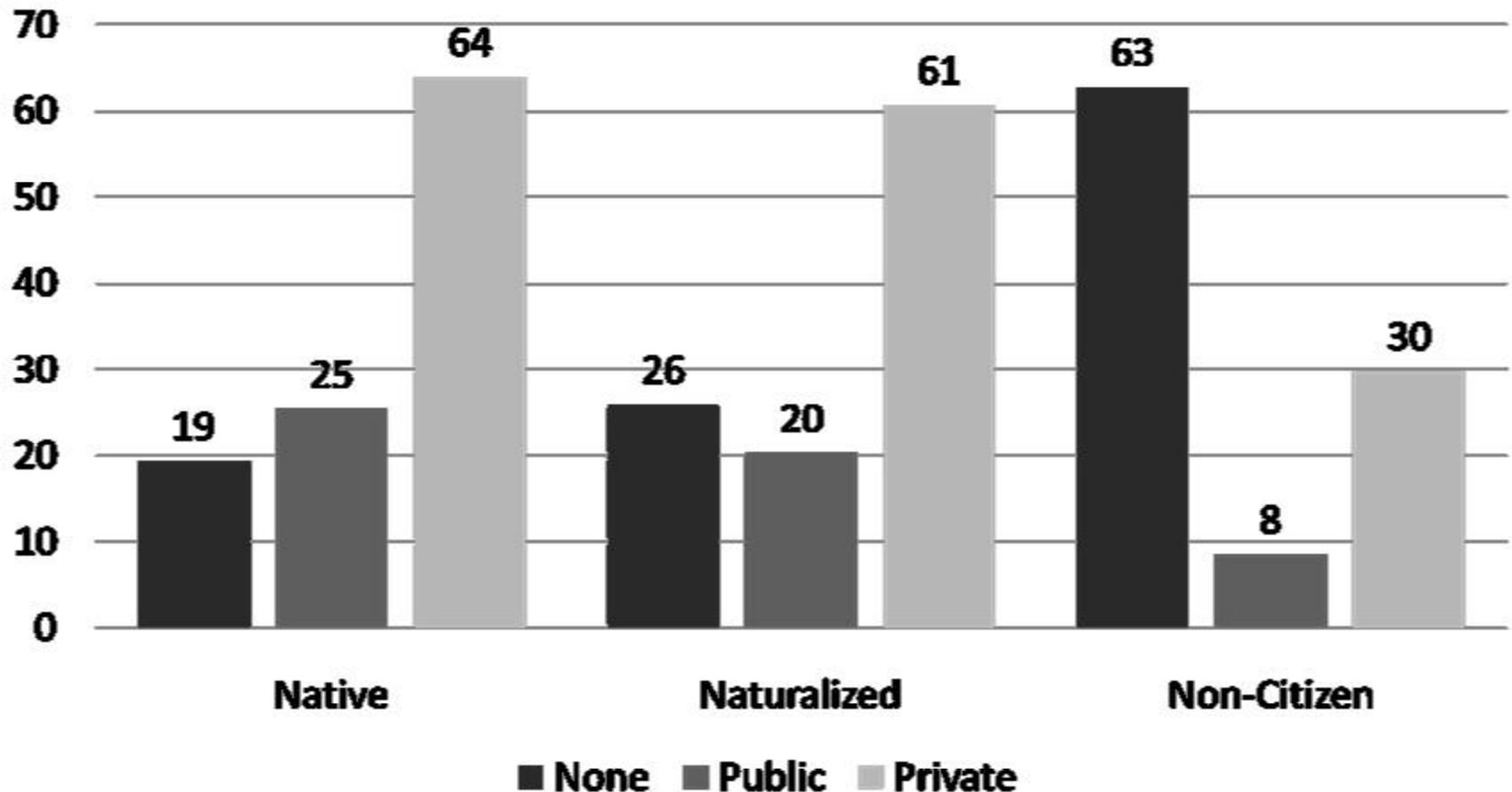
Long-term: ½ of 1990 to 2000; Short-term: Estimated 2000 to 2007

# % Health Insurance Coverage by Ethnic Group and Type, 2008



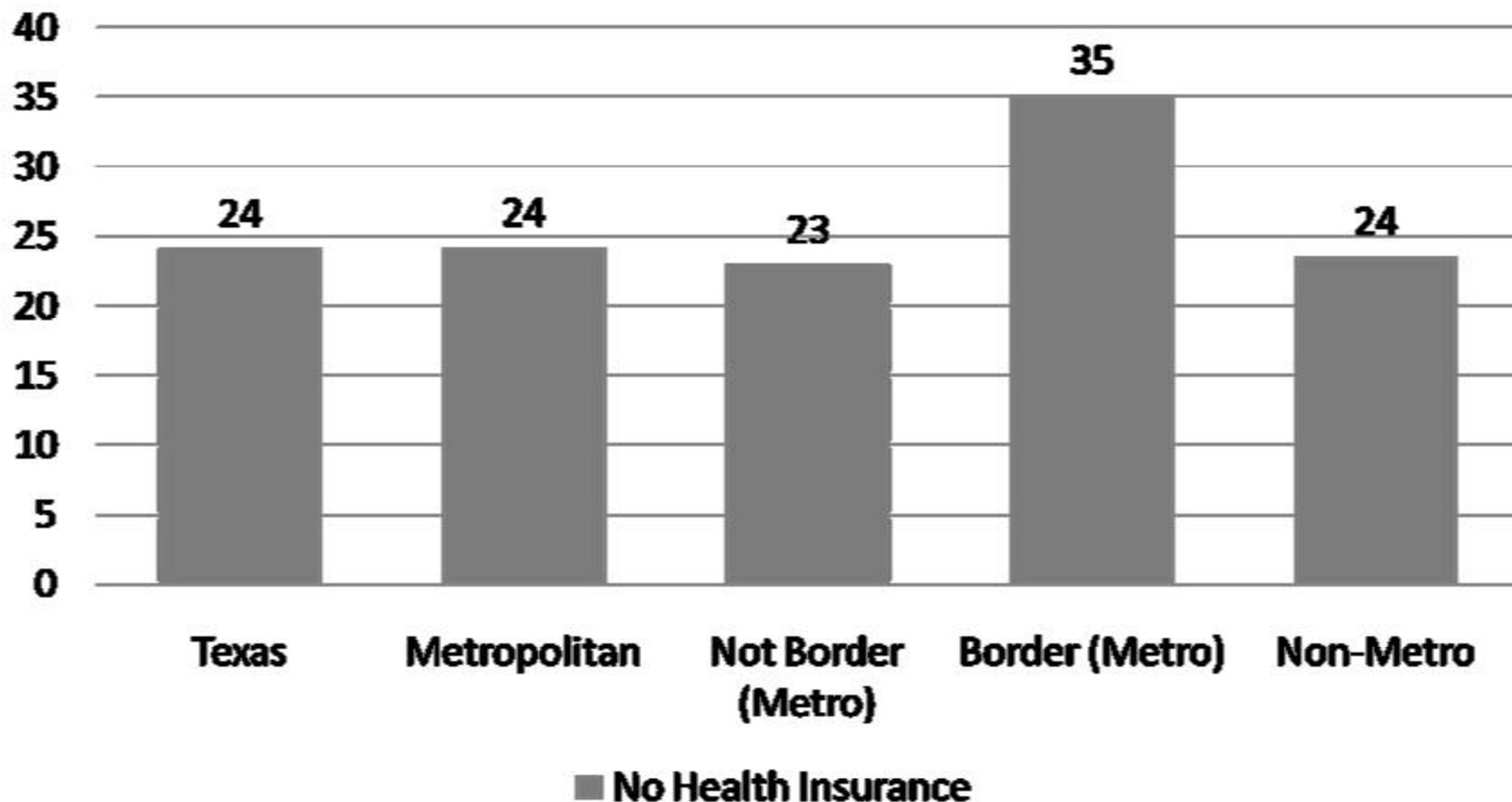
Source: American Community Survey Microdata, 2008

# % Health Insurance Coverage by Immigrant Status & Type, 2008

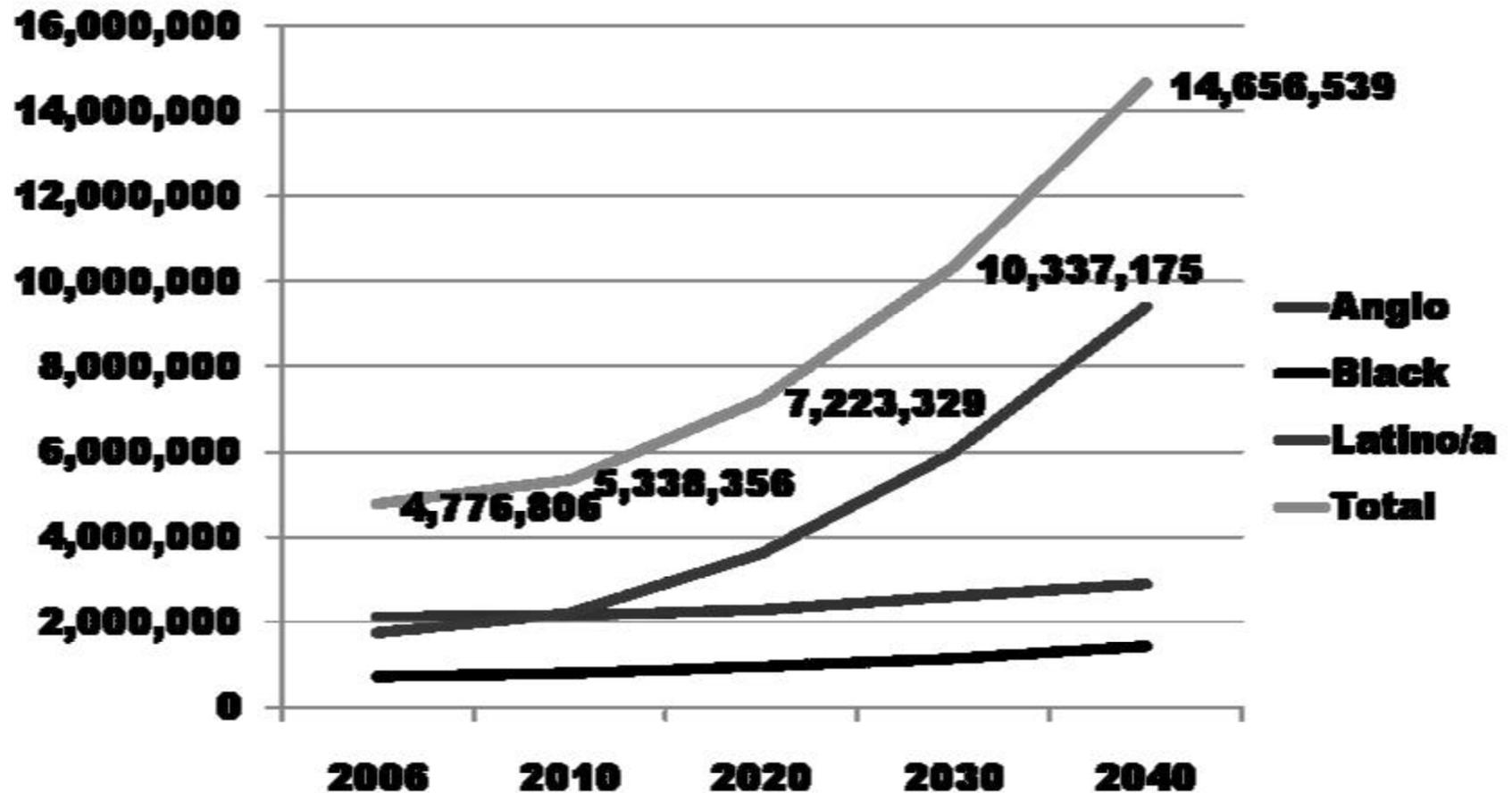


Source: American Community Survey Microdata, 2008

# Percent Without Health Insurance, 2008

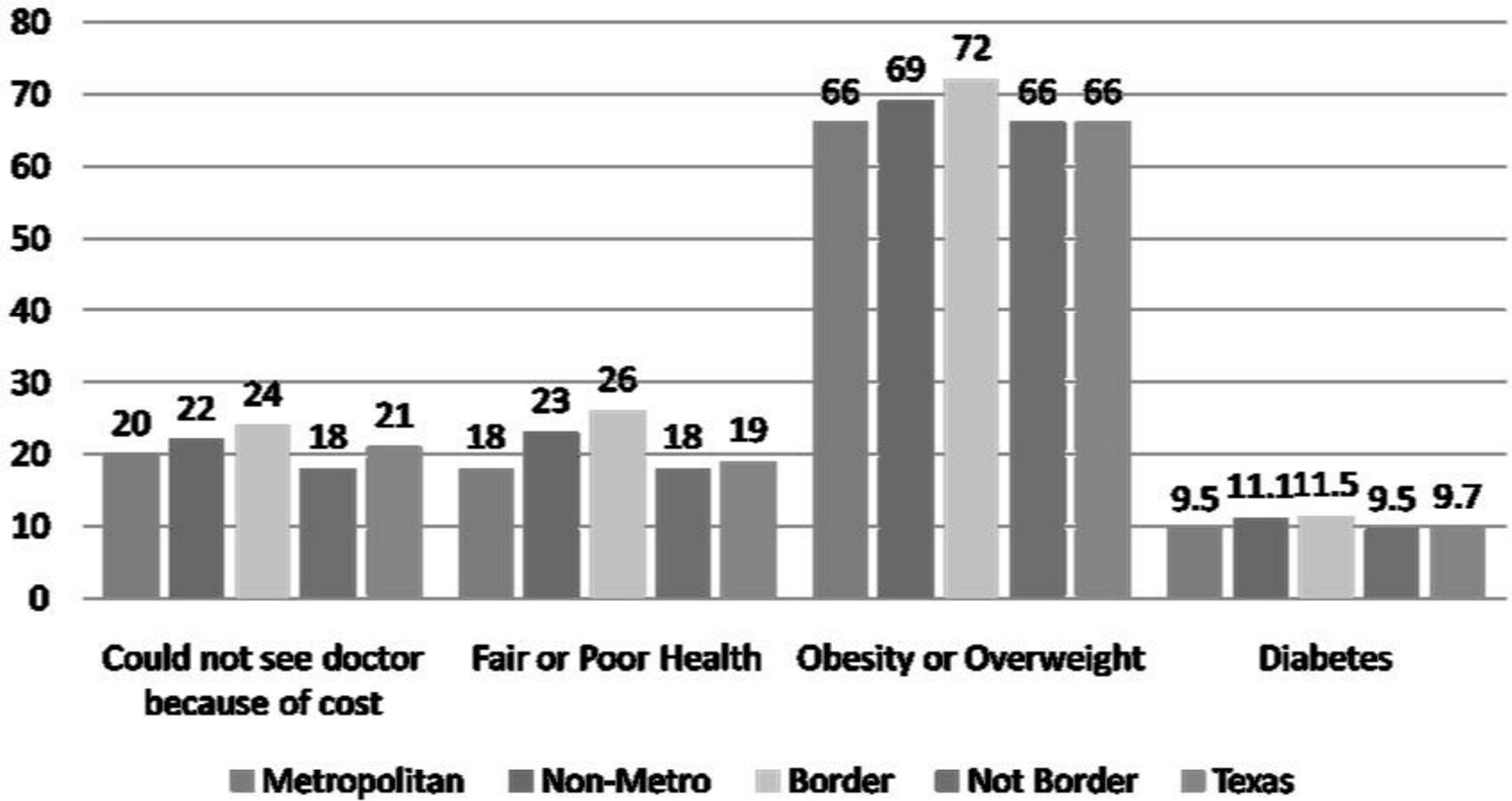


# Projected Increase in Obesity in Texas by Ethnicity, 2006 to 2040



Source: Texas State Data Center Projections

# Health Risks for Adults by Area, 2008



Source: 2008 Behavioral Risk Factor Surveillance Survey

# Physicians in Direct Patient Care- 2004 and 2009

Physicians in Direct Patient Care	2004	2009	Increase	Percent
Primary Care	15,374	16,830	1,456	9.6
Specialist	19,558	22,544	2,986	15.3
Total	34,932	39,374	4,442	12.7
Population (Millions)	22.4	24.8	2.4	10.5

The number of specialist physicians is growing faster than the State's Population. The number of primary care physicians is not.

Source: Tabulation of Texas Medical Board, Physician Licensure Database; Database maintained and supplied by Department of State Health Services, Center for Health Statistics, Health Professions Resource Center

# Location of Medical Degree

State/ Country	2004	2009	Increase	Percent of Increase	Percent Increase
Texas	15,746	17,542	1,796	40.4	11.4
Other United States	11,103	12,472	1,369	30.8	12.3
Foreign	8,083	9,360	1,277	28.7	15.8
Total	34,932	39,374	4,442	100.0	12.7

Graduates of Texas Medical Schools account for 40% of the increase in physician supply, 2004 to 2009

Source: Tabulation of Texas Medical Board, Physician Licensure Database; Database maintained and supplied by Department of State Health Services, Center for Health Statistics, Health Professions Resource Center

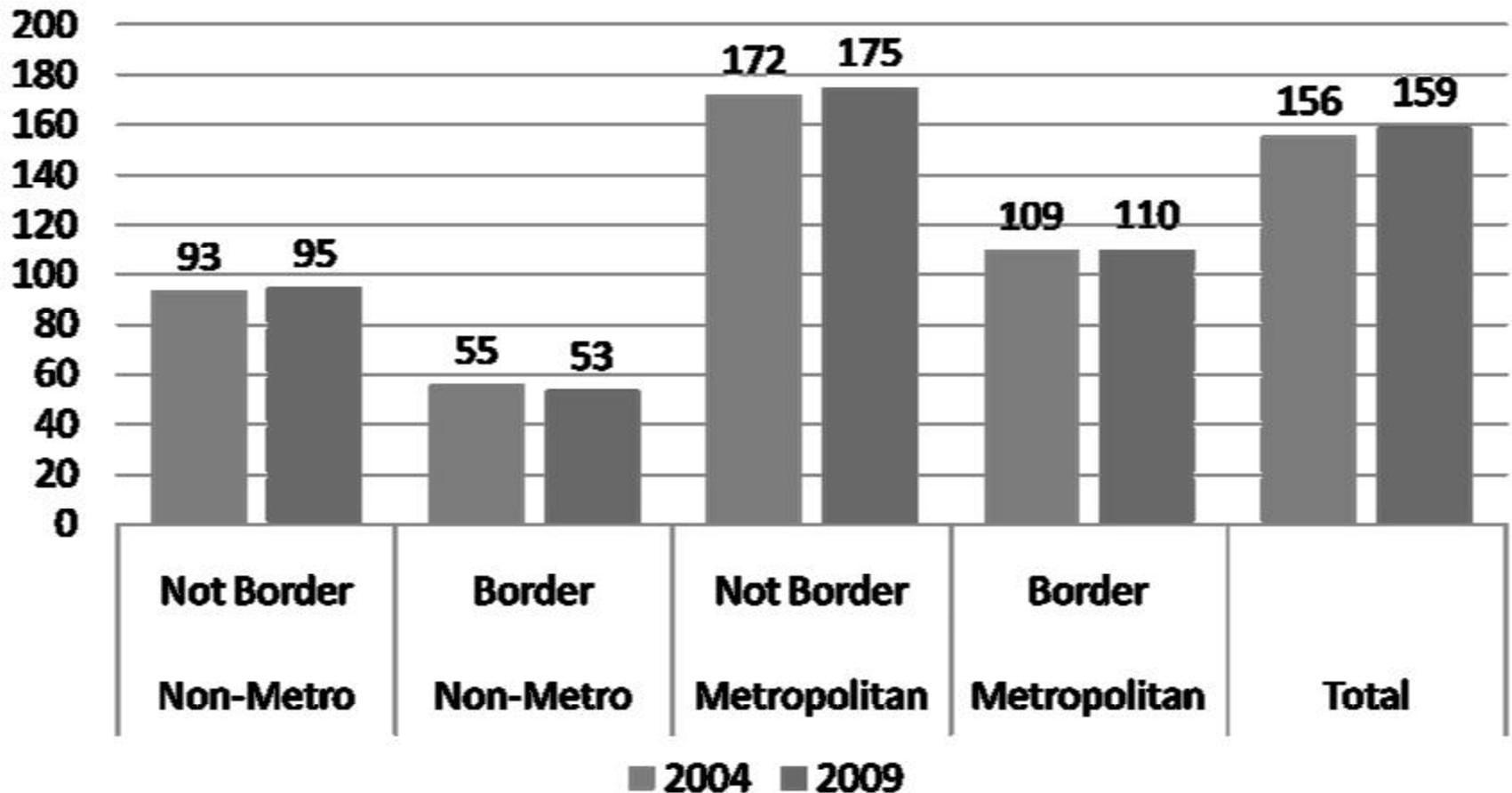
# Changing Demographics of the Physician Population-Age

Age	2004		2009	
	Number	Percent	Number	Percent
25 to 34	2,641	7.6	2,405	6.1
35 to 44	10,736	30.7	11,382	28.9
45 to 54	11,048	31.6	11,780	29.9
55 to 64	7,030	20.1	9,068	23.0
65 to 74	2,637	7.5	3,610	9.2
75 or older	840	2.4	1,126	2.9
	34,932	100.0	39,371	100.0

The physician workforce is aging along with the population.

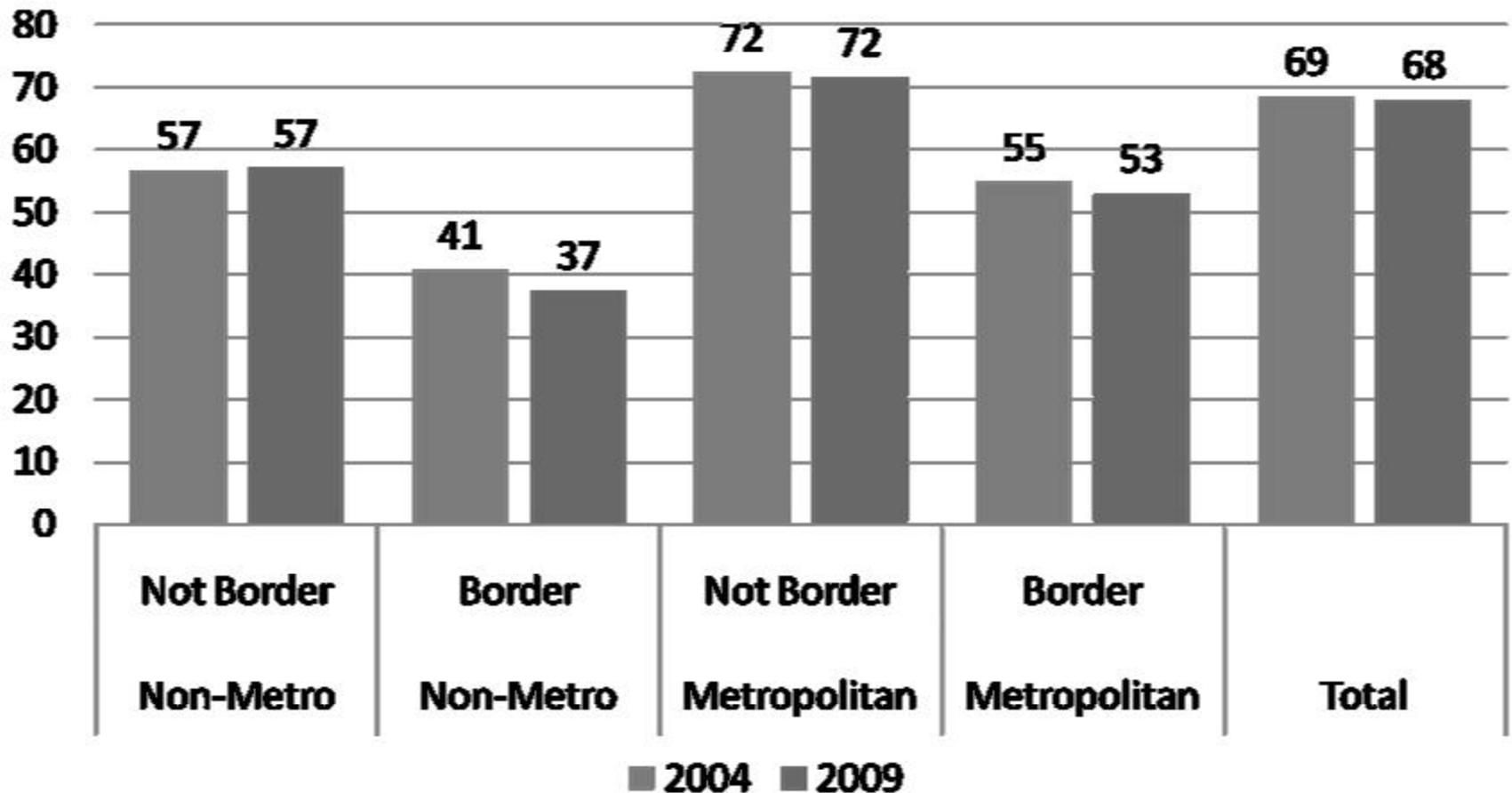
Source: Tabulation of Texas Medical Board, Physician Licensure Database;  
 Database maintained and supplied by Department of State Health Services,  
 Center for Health Statistics, Health Professions Resource Center

# Physicians per 100,000 by Metro & Border Status, 2004 & 2009



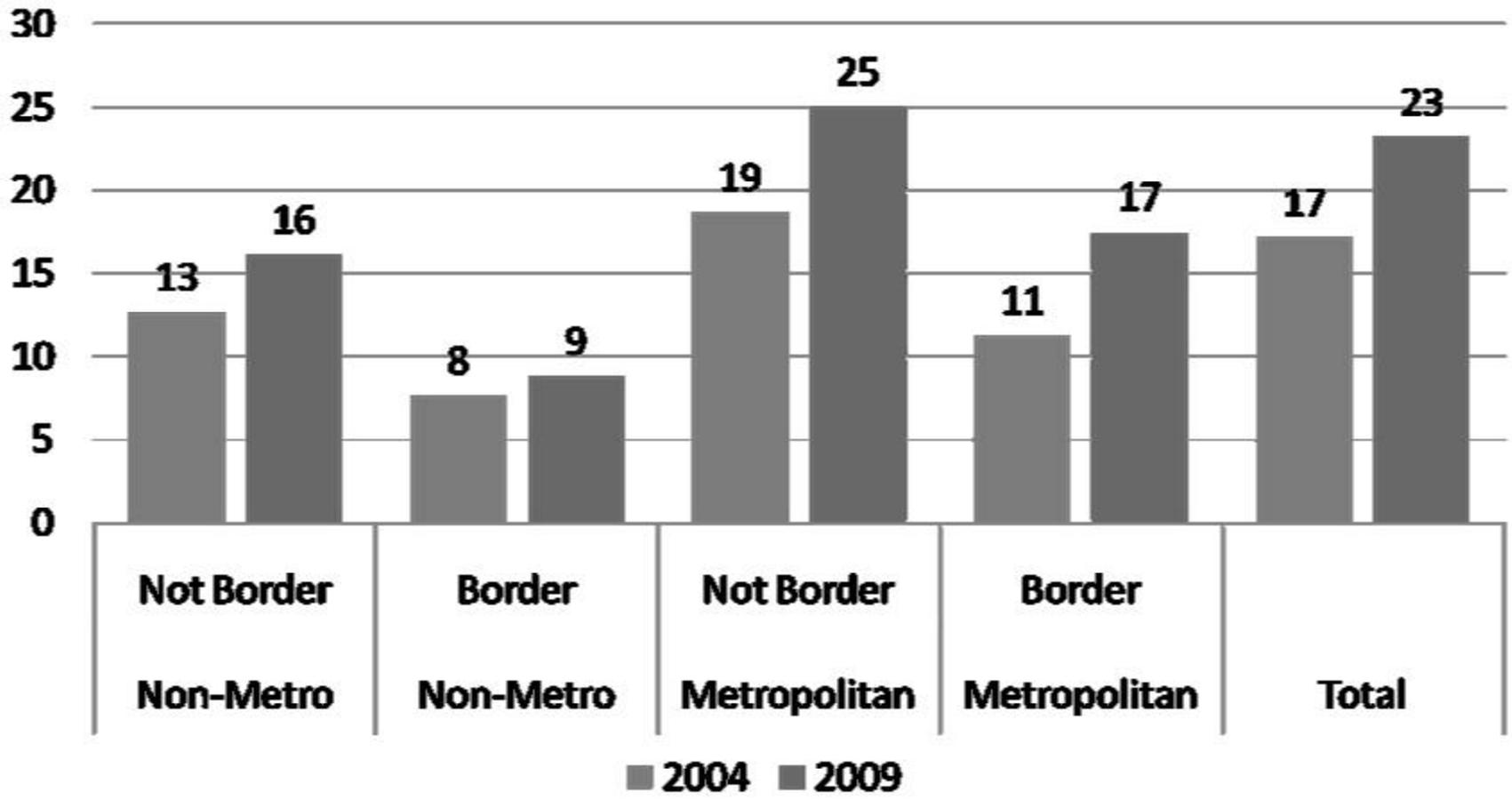
Sources: Census 2009 Preliminary Estimates  
 Department of State Health Services, Health Professions Resource Center Database

# Primary Care Physicians per 100,000 by Metro & Border Status, 2004 & 2009



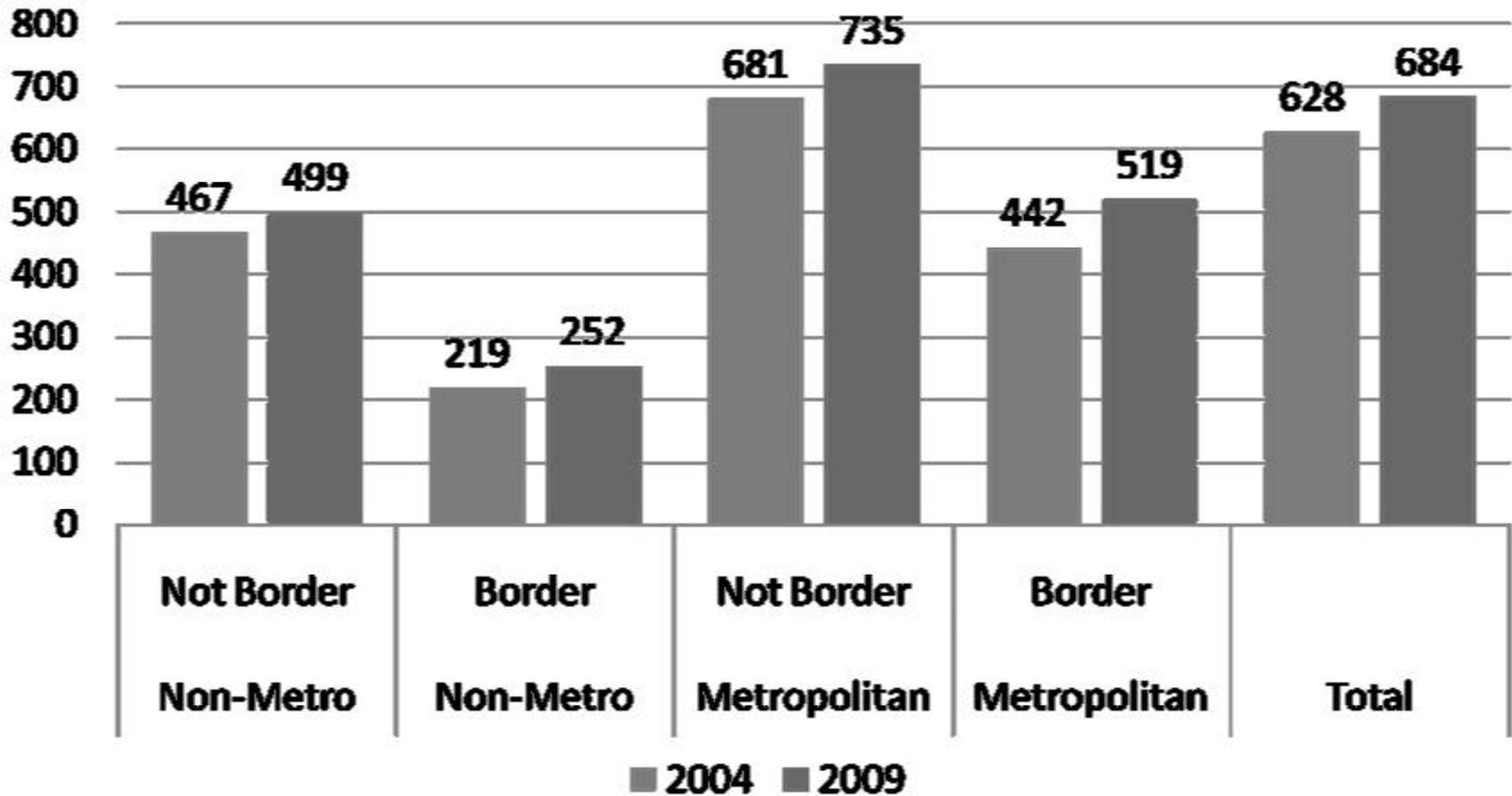
Sources: Census 2009 Preliminary Estimates  
 Department of State Health Services, Health Professions Resource Center Database

# Nurse Practitioners per 100,000 by Metro & Border Status, 2004 & 2009



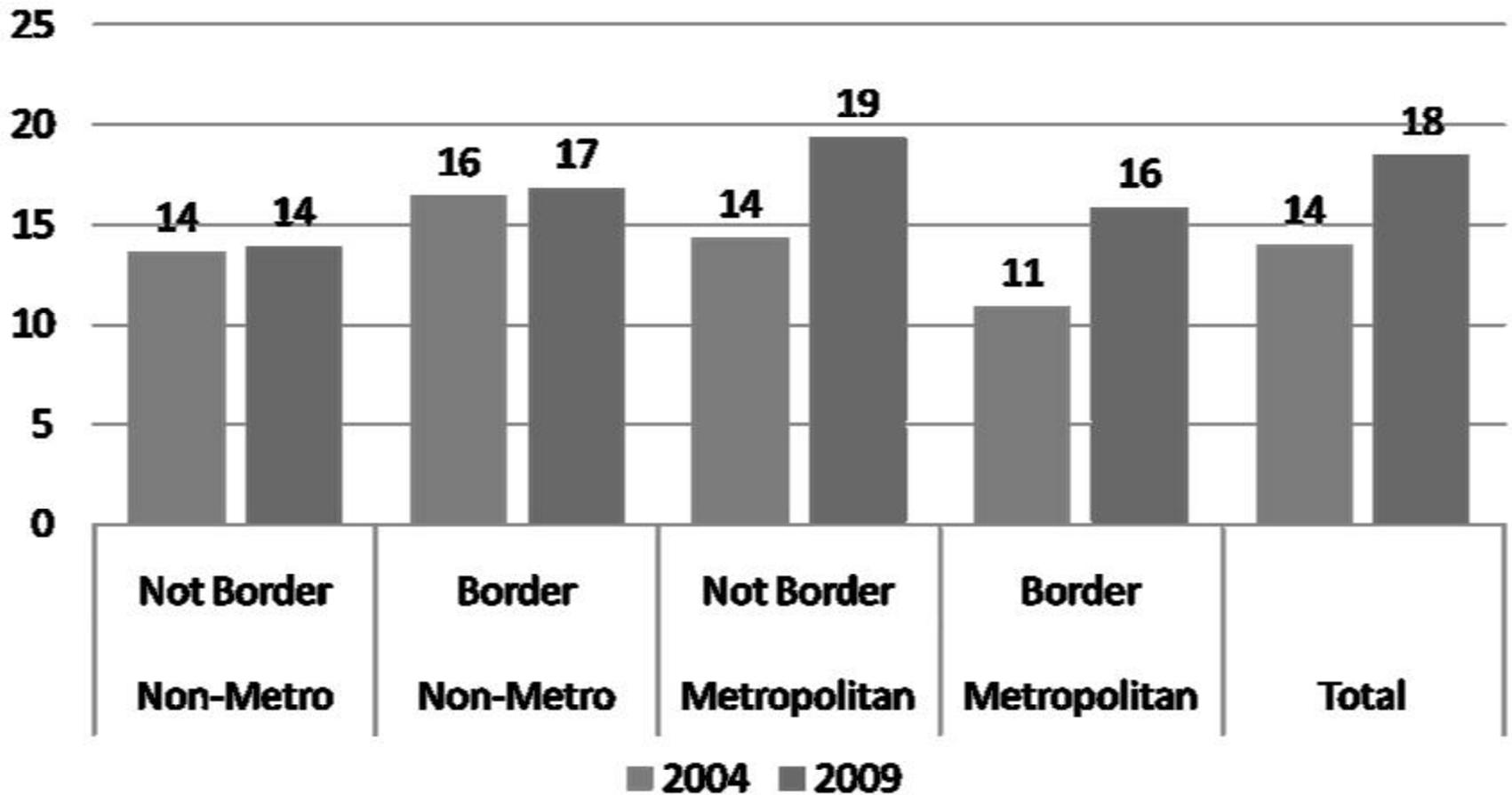
Sources: Census 2009 Preliminary Estimates  
 Department of State Health Services, Health Professions Resource Center Database

# Registered Nurses per 100,000 by Metro & Border Status, 2004 & 2009



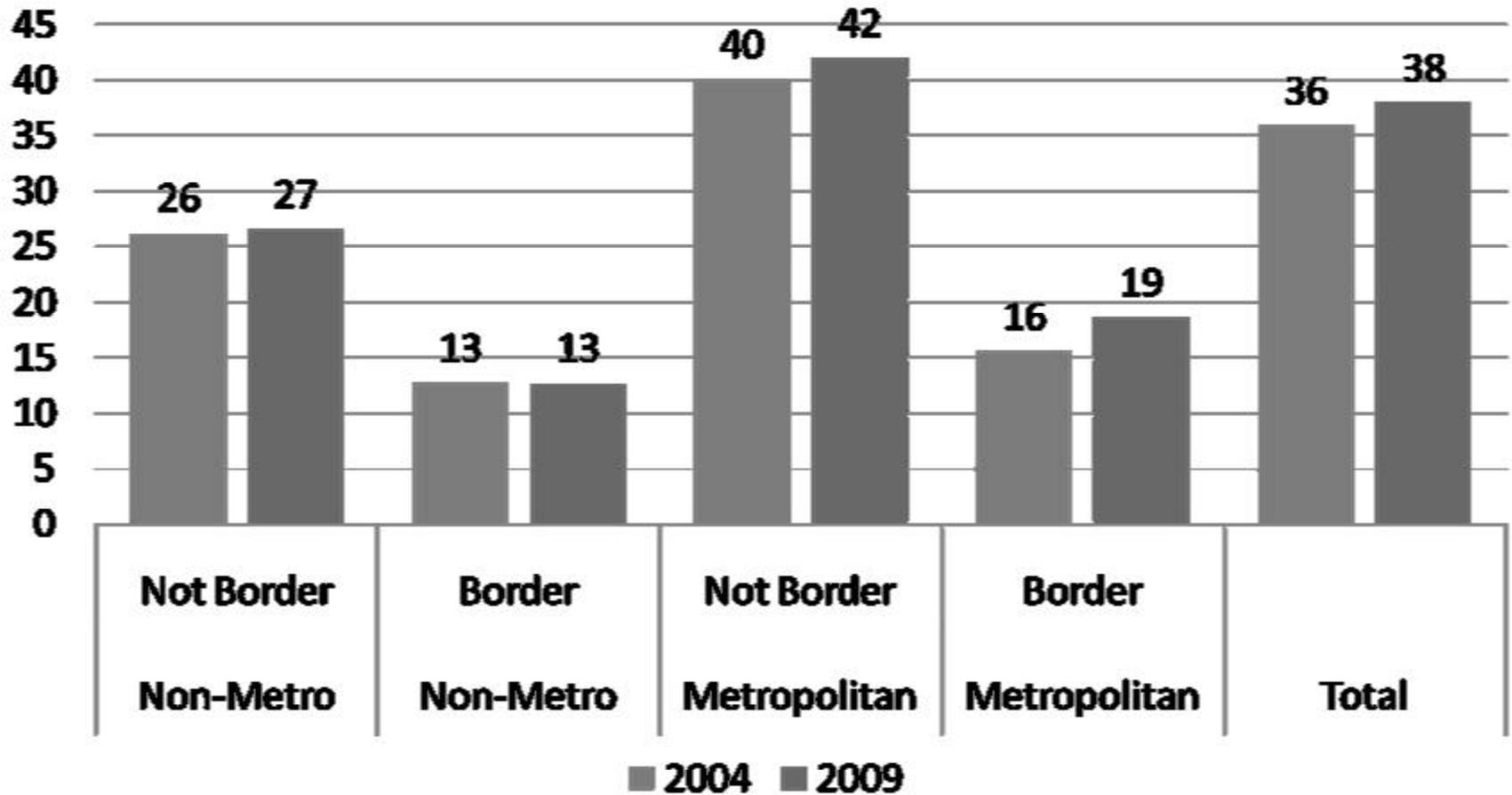
Sources: Census 2009 Preliminary Estimates  
 Department of State Health Services, Health Professions Resource Center Database

# Physician Assistants per 100,000 by Metro & Border Status, 2004 & 2009



Sources: Census 2009 Preliminary Estimates  
 Department of State Health Services, Health Professions Resource Center Database

# General Dentists per 100,000 by Metro & Border Status, 2004 & 2009



Sources: Census 2009 Preliminary Estimates  
 Department of State Health Services, Health Professions Resource Center Database